

Hypothetical combination :

Chloride of potassium.....	0.003
" sodium.....	0.348
" calcium.....	0.002
" magnesium.....	0.005
Sulphate of lime.....	0.086
Silica.....	0.049
Organic matter.....	trace.
	<hr/> 0.483

Total dissolved solid matter, by direct experiment dried at 180° C. = 0.480.

An imperial gallon of the water, at 15.5° C., would contain :

	grains.
Chloride of potassium.....	0.210
" sodium.....	24.372
" calcium.....	0.140
" magnesium.....	0.350
Sulphate of lime.....	4.623
Silica.....	4.132
Organic matter.....	trace.
	<hr/> 33.827

Lithia, baryta, strontia, bromine, iodine, and carbonic acid, were sought for, and found to be absent.

- 7.—Water from a spring on the property of Mr. Hendricks, near Plumweseep station on the line of the Intercolonial railway, and three miles above Sussex, King's county, province of New Brunswick. Examined for Mr. John White.

The sample sent for examination, not more than six fluid ounces, contained a trifling quantity of brown flocculent matter in suspension. This was removed by filtration. The filtered water was colourless and bright; devoid of odour; and had a strong saline taste. Reaction, neutral—both before and after concentration. It contained 3356.5 grains of dissolved saline matter, dried at 180° C., per imperial gallon.

A qualitative analysis, by Mr. Wait, showed it to contain :

Soda.....	large quantity.
Lime.....	small quantity.
Magnesia.....	very small quantity.
Sulphuric acid.....	small quantity.
Carbonic acid.....	trace.
Chlorine.....	large quantity.
Silica.....	trace.

Boiling did not produce a perceptible precipitate.